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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

MICRU:47716

09/139,258

INFORMATION DISCLOSURE CITATION
(Use Several Sheets If Necessary)

APPLICANT

DANIEL R. KURZ, ET AL. #3605

FILING DATE

AUGUST 25, 1998

GROUP

11/19/01
37331002 U.S. PRO
09/19/0390
10/02/01

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPLICABLE
WZ	3,452,742	JULY 1, 1969	MULLER			
	4,820,289	APRIL 11, 1989	COURY ET AL.			
	4,838,803	JUNE 13, 1989	KONDO			
	5,139,243	AUGUST 18, 1992	BALSELLS			
	5,256,146	OCTOBER 26, 1993	ENSMINGER ET AL.			
	5,304,142	APRIL 19, 1994	LIEBL ET AL.			
	5,334,210	AUGUST 2, 1994	GIAN TURCO			
	5,527,338	JUNE 18, 1996	PURDY			
	5,540,680	JULY 30, 1996	GUGLIELMI ET AL.			
	5,601,600	FEBRUARY 11, 1997	TON			
	5,690,667	NOVEMBER 25, 1997	GIA			
	5,690,671	NOVEMBER 25, 1997	MCGURK ET AL.			
	5,693,067	DECEMBER 2, 1997	PURDY			
	5,718,711	FEBRUARY 17, 1998	BERENSTEIN ET AL.			
	5,725,534	MARCH 10, 1998	RASMUSSEN			
	5,743,905	APRIL 28, 1998	EDER ET AL.			
	5,746,769	MAY 5, 1998	TON ET AL.			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
					YES	NO
WZ	WO 94/10936	26.05.94	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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DATE CONSIDERED

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Form PTO-FB-A820
also form PTO-1449)

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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MICRU:47716		SERIAL NO. 09/139,258	
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		FILING DATE AUGUST 25, 1998		GROUP 3731	

U.S. PATENT DOCUMENTS						
EXAMINER <i>INT</i>	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPLICABLE
	3,868,956	MARCH 4, 1975	ALFIDI ET AL.			
	4,494,531	JANUARY 22, 1985	GIANTURCO			
	4,512,338	APRIL 23, 1985	BALKO ET AL.			
	4,748,986	JUNE 7, 1988	MORRISON ET AL.			
	4,994,069	FEBRUARY 19, 1991	RITCHART ET AL.			
	5,026,377	JUNE 25, 1991	BURTON ET AL.			
	5,108,407	APRIL 28, 1992	GEREMIA ET AL.			
	5,122,136	JUNE 16, 1992	GUGLIELMI ET AL.			
	5,217,484	JUNE 8, 1993	MARKS			
	5,228,453	JULY 20, 1993	SEPETKA			
	5,250,071	OCTOBER 5, 1993	PALERMO			

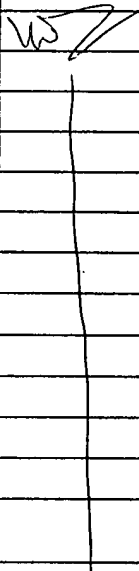
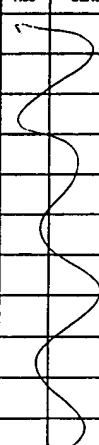

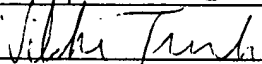
FOREIGN PATENT DOCUMENTS						
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
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DE 4102550 A1	08/08/1991	GERMANY				
UK 2 066 839 A	15 JULY 1981	UNITED KINGDOM				
EP 0 183372 A1	04.06.86	EUROPE				
EP 0 382014 A1	16.08.90	EUROPE				
592.182	28 JULY, 1925	FRANCE				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
REFERENCES	CHRISTOS A. ATHANASOULIS, M.D. THE NEW ENGLAND JOURNAL OF MEDICINE, MAY 15, 1980 "THERAPEUTIC APPLICATIONS OF ANGIOGRAPHY" PAGES 1117 - 1125 (1 OF 2) CHRISTOS A. ATHANASOULIS, M.D. THE NEW ENGLAND JOURNAL OF MEDICINE, MAY 22, 1980 "THERAPEUTIC APPLICATIONS OF ANGIOGRAPHY" PAGES 1174 - 1179 (2 OF 2) ALEX BERENSTEIN, M.D. AND IRVIN I. KRICHEFF, M.D. "CATHETER AND MATERIAL SELECTION FOR TRANSARTERIAL EMBOLIZATION: TECHNICAL CONSIDERATIONS" RADIOLOGY, SEPTEMBER 1979; PAGES 631 - 639. O.A. BATTISTA, ET AL. JOURNAL OF APPLIED POLYMER SCIENCE 1967 "COLLOIDAL MACROMOLECULAR PHENOMENA. PART II. NOVEL MICROCRYSTALS OF POLYMERS" PAGES 481 - 498.

EXAMINER <i>Vicki Tine</i>	DATE CONSIDERED <i>7/27/02</i>
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CL ASS	SUB CLASS	FILING DATE IF APPLICABLE
	5,336,205	AUGUST 9, 1994	ZENZEN ET AL.			
	5,350,397	SEPTEMBER 27, 1994	PALERMO ET AL.			
	5,354,295	OCTOBER 11, 1994	GUGLIELMI ET AL.			
	5,312,415	MAY 17, 1994	PALERMO			
	5,639,277	JUNE 17, 1997	MARIANT ET AL.			
	5,649,949	JULY 22, 1997	WALLACE ET AL.			
	5,222,969	JUNE 29, 1993	GILLIS			
	5,607,445	MARCH 4, 1997	SUMMERS			
	5,667,522	SEPTEMBER 16, 1997	FLOMENBLIT ET AL.			
	5,514,176	MAY 7, 1996	BOSLEY, JR.			
	5,582,619	DECEMBER 10, 1996	KEN			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CL ASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
REFERENCES 	SADEK K. HILAL, M.D. ET AL. JOURNAL OF NEUROLOGICAL SURGERY "THERAPEUTIC PERCUTANEOUS EMBOLIZATION FOR EXTRA-AXIAL VASCULAR LESIONS OF THE HEAD, NECK AND SPINE" SEPTEMBER, 1975; PAGES 275 - 287.					
	STEPHEN L. KAUFMAN, M.D. ET AL. INVESTIGATIVE RADIOLOGY, MAY-JUNE 1978 "TRANSCATHETER EMBOLIZATION WITH MICROFIBRILLAR COLLAGEN IN SWINE"; PAGES 200-204					
	ASHOK J. KUMAR, ET AL., JOURNAL OF NEURORADIOLOGY (1982) "PREOPERATIVE EMBOLIZATION OF HYPERVASCULAR HEAD AND NECK NEOPLASMS USING MICROFIBRILLAR COLLAGEN", PAGES 163 -168.					
	RICHARD E. LATCHAW, M.D. ET AL., RADIOLOGY (1979) "POLYVINYL FOAM EMBOLIZATION OF VASCULAR AND NEOPLASTIC LESIONS OF THE HEAD, NECK AND SPINE" PAGES 669 - 679.					
	STEWART R. REUTER, M.D. ET AL. AMERICAN JOURNAL OF RADIOLOGY, SEPTEMBER 1975 "SELECTIVE ARTERIAL EMBOLIZATION FOR CONTROL OF MASSIVE UPPER GASTROINTESTINAL BLEEDING" PAGES 119 - 126.					
EXAMINER		DATE CONSIDERED				
		7/24/02				

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	AUGUST 25, 1998	3731

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLA SS	SUB CLA SS	FILING DATE IF APPLICABLE
<i>W</i>	5,562,641	OCTOBER 8, 1996	FLOMENBLIT ET AL.			
	5,549,624	AUGUST 27, 1996	MIRIGIAN ET AL.			
	4,994,069	FEBRUARY 19, 1991	RITCHART ET AL.			
	5,226,911	JULY 13, 1993	CHEE ET AL.			
	5,690,666	NOVEMBER 25, 1997	BERENSTEIN ET AL.			
	5,522,836	JUNE 4, 1996	PALERMO			
	5,569,245	OCTOBER 29, 1996	GUGLIELMI ET AL.			
	4,768,507	SEPTEMBER 6, 1988	FISCHELL ET AL.			
	4,795,458	JANUARY 3, 1989	REGAN			
	4,800,882	JANUARY 31, 1989	GIANTURCO			
	4,813,925	MARCH 21, 1989	ANDERSON, JR. ET AL.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLA SS	SUB CLA SS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

ARTICLES	GLENN H. ROBERSON, ET AL., AMERICAN JOURNAL OF RADIOLOGY, OCTOBER 1979 "THERAPEUTIC EMBOLIZATION OF JUVENILE ANGIOFIBROMA" PAGES 657 -663
	SIDNEY WALLACE, M.D. ET AL., CANCER, OCTOBER 1979 "ARTERIAL OCCLUSION OF PELVIC BONE TUMORS"; PAGES 322-325 & 661-663
	"MECHANICAL DEVICES FOR ARTERIAL OCCLUSION" BY C. GIANTURCO, M.D., ET AL., JULY 1975 PAGES 428 - 435
	"THERAPEUTIC VASCULAR OCCLUSION UTILIZING STEEL COIL TECHNIQUE: CLINICAL APPLICATIONS" BY SIDNEY WALLACE, ET AL., AM J. ROENTGENOL (1976); PAGES 381-387
	"TRANSCATHETER INTRAVASCULAR COIL OCCLUSION OF EXPERIMENTAL ARTERIOVENOUS FISTULAS", BY JAMES H. ANDERSON, ET AL., AM. J. ROENTGENOL, NOVEMBER 1977, PAGES 795 -798.

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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CL ASS	SUB CLASS	FILING DATE IF APPLICABLE
<i>[initials]</i>	4,856,516	AUGUST 15, 1989	HILLSTEAD			
	4,957,479	SEPTEMBER 18, 1990	ROEMER			
	4,990,155	FEBRUARY 5, 1991	WILKOFF			
	5,041,084	AUGUST 20, 1991	DeVRIES ET AL.			
	5,133,732	JULY 28, 1992	WIKTOR			
	5,141,502	AUGUST 25, 1992	MACALUSO, JR.			
	5,147,370	SEPTEMBER 15, 1992	McNAMARA ET AL.			
	5,160,341	NOVEMBER 3, 1992	BRENNEMAN ET AL.			
	5,176,625	JANUARY 5, 1993	BRISSON			
	5,183,085	FEBRUARY 2, 1993	TIMMERMANS			
	5,690,643	NOVEMBER 25, 1997	WIJAY			

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DOCUMENT NUMBER	DATE	COUNTRY	CL ASS	SUB CLASS	TRANSLATION	
					YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
ARTICLES	<p>" 'MINI' GIANTURCO STAINLESS STEEL COILS FOR TRANSCATHETER VASCULAR OCCLUSION" BY JAMES H. ANDERSON, ET AL., FROM THE DEPARTMENT OF DIAGNOSTIC RADIOLOGY AT THE UNIVERSITY OF TEXAS SYSTEM CANCER CENTER, AUGUST 1978, PAGES 301 - 303.</p> <p>"A NEW IMPROVED COIL FOR TAPERED-TIP CATHETER FOR ARTERIAL OCCLUSION" BY VINCENT P. CHUANG, M.D., ET AL., MAY 1980, PAGES 507 - 509</p>

AMINER <i>Vikki Trinh</i>	DATE CONSIDERED <i>7/24/02</i>
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 Form PTO-1449)

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	5,624,461	APRIL 29, 1997	MARIANT			
	5,637,113	JUNE 10, 1997	TARTAGLIA ET AL.			
	5,639,277	JUNE 17, 1997	MARIANT ET AL.			
	5,643,254	JULY 1, 1997	SCHELDRUP ET AL.			
	5,676,697	OCTOBER 14, 1997	MCDONALD			
	5,234,456	AUGUST 10, 1993	SILVESTRINI			
	5,304,194	APRIL 19, 1994	CHEE ET AL.			
	5,342,387	AUGUST 30, 1994	SUMMERS			
	5,382,259	JANUARY 17, 1995	PHELPS ET AL.			
	5,441,516	AUGUST 15, 1995	WANG ET AL.			
	5,443,478	AUGUST 22, 1995	PURDY			

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						YES	NO

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CL ASS	SUB CLASS	FILING DATE IF APPLICABLE
WZ	1,341,052	MAY 25, 1920	F. G. GALE			
	1,667,730	MAY 1, 1928	J. BIRCHARD GREEN			
	2,078,182	APRIL 20, 1937	A.E. MacFARLAND			
	2,549,335	APRIL 17, 1951	M. RAHTHUS			
	3,649,224	MARCH 14, 1972	ANDERSON ET AL.			
	3,334,629	AUGUST 8, 1967	B.D. COHN			
	4,655,771	APRIL 7, 1987	WALLSTEN			
	4,718,907	JANUARY 12, 1988	KARWOSKI ET AL.			
	4,830,003	MAY 16, 1989	WOLFF ET AL.			
	5,071,407	DECEMBER 10, 1991	TERMIN ET AL.			
	4,638,803	JANUARY 27, 1987	RAND			

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						YES	NO

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WZ	4,820,298	APRIL 11, 1989	LEVEEN ET AL.			
	4,850,960	JULY 25, 1989	GRAYZEL			
	4,954,126	SEPTEMBER 4, 1990	WALLSTEN			
	4,957,501	SEPTEMBER 18, 1990	LAHILLE ET AL			
	5,064,435	NOVEMBER 12, 1991	PORTER			
	5,104,404	APRIL 14, 1992	WOLFF			
	5,133,731	JULY 28, 1992	BUTLER ET AL.			
	5,147,370	SEPTEMBER 15, 1992	McNAMARA ET AL.			
	5,151,105	SEPTEMBER 29, 1992	KWAN-GETT			
	5,176,661	JANUARY 5, 1993	EVARD ET AL.			
	5,186,992	FEBRUARY 16, 1993	KITE, III			

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